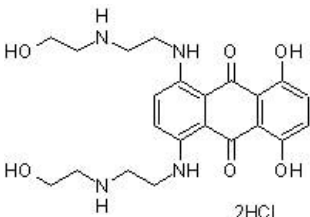


Product datasheet

Mitoxantrone dihydrochloride, Type II topoisomerase inhibitor ab141041

[1 References](#) [1 Image](#)

Overview

Product name	Mitoxantrone dihydrochloride, Type II topoisomerase inhibitor
Description	Type II topoisomerase inhibitor
Biological description	Type II topoisomerase inhibitor (IC ₅₀ = 50 nM). Able to inhibit DNA and protein synthesis, and induce both DNA strand breakage and cross linkage. Antineoplastic, immunomodulatory and chemotherapeutic action.
Purity	> 98%
CAS Number	70476-82-3
Chemical structure	

Properties

Chemical name	1,4-Dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione dihydrochloride
Molecular weight	517.41
Molecular formula	C ₂₂ H ₂₈ N ₄ O ₆ ·2HCl
PubChem identifier	51082
Storage instructions	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM and in water to 10 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

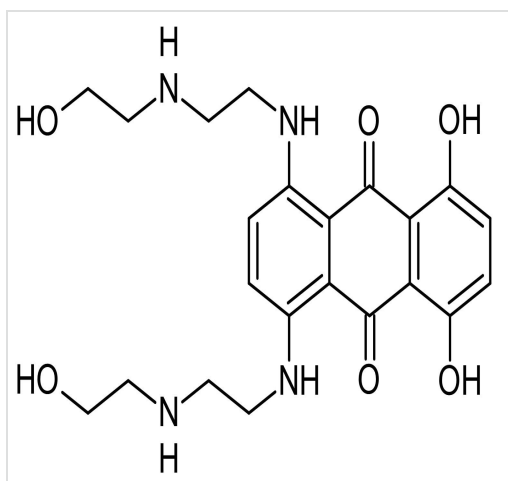
SMILES

Cl.Cl.OCCNCCNc3ccc(NCCNCCO)c2C(=O)c1c(O)ccc(O)c1C(=O)c23

Source

Synthetic

Images



Chemical Structure - Mitoxantrone dihydrochloride,
Type II topoisomerase inhibitor (ab141041)

2D chemical structure image of ab141041, Mitoxantrone dihydrochloride, Type II topoisomerase inhibitor

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